

EWP(1)/ETC(m) JD/WW/DJ

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INVENTOR: Kaspiyev, S. F.<sup>44</sup>, Balabanov, A. H.<sup>44</sup>, Kragel'skiy, I. V.<sup>44</sup>  
Lashchenov, V. A.<sup>44</sup>

ORG: none

TITLE: A stand for testing roller bearings<sup>4</sup>, sliding bearings<sup>7</sup>, and friction couples for wear in high vacuum or in space. Class 42, No. 174410 <sup>44</sup> <sup>44</sup>

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 17, 1965, 83

TOPIC TAGS: test stand, performance test, space chamber test, bearing, friction, vacuum chamber

ABSTRACT: This Author Certificate presents a stand for testing roller bearings, sliding bearings, and friction couples for wear in high vacuum or in space. The stand contains several spindles (each consisting of a shaft operating in a vacuum and intended for mounting the tested bearings), units for axial and radial loading of bearings, a mechanism for measuring the friction moment of the tested couples, a drive shaft with a driven gear, an electrical clutch for transmitting the torque from the drive shaft to the shaft with the tested friction couples, and the main drive shaft with a driving gear meshing with the

Card 1/2

UDC: 620.178.16.05:621-233.2(201)

L 6286-56

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driven gears on the spindles. To prevent stopping all the spindles of the stand by the jamming of one of the tested couples, the driving gear is connected with the driven gears on the spindles through idler gears. The shafts of the idler gears are set in a casing which turns about the rotation axis of the drive shaft. The casing is provided with a device which permits it to turn in case of jamming and to release the idler gear from the driving gear. To prevent an accidental separation of the idler gear from the driving gear and their subsequent return to meshing position, the rotary casing may be connected to the piston of the damping power cylinder. [04]

SUB CODE: IE/ SUBM DATE: 22Jan64/ ORIG REF: 000/ OTH REF: 000/

ATD PRESS: 4131

Card 2/2

ANDERSON, A. A.

"Spectral analysis of nasal consonants of German."

report submitted for 5th Intl Cong of Phonetic Sciences, Muenster, W. Germany,  
16-23 Aug 64.

KASPRIK, Bedrich, inz. (Ostrava)

Experience with operation and design of heating furnaces of  
rolling mills in people's democracies. Hut listy 16 no.2:108-  
113 F '61.

HASPROVICZ, B.

Jozef Krynicki's Problemy Handlu zagranicznego Polski (Problems of Poland's Foreign Trade); a book review. p. 371

TECHNIKA I GOSPODARKA MORSKA. (Naczelna Organizacja Techniczna, Instytut Morski i Morski Instytut Rybacki) Gdansk, Poland, Vol. 8, no. 12, Dec. 1958

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 8, August, 1959

Uncl.

*Kasprovski, E.*

DIMITRIU, C. C., Prof.; SCHACHTER, A., dr.; DECEBAL, Colita, dr.;  
KASPROVSKI, E., dr.; SEGAL, U., dr.

Results of Rauwolfia serpentina alkaloid (serpasil) therapy of  
hypertensive diseases. Med. int., Bucur. 7 no.4:104-111 Oct-  
Dec 55.

(HYPERTENSION, therapy  
reserpine)  
(RESERPINE, ther. use  
hypertension)

KASPROVSKIY, B.P.

MEDICAL PERSONNEL

"Towards Improving the Qualifications of Workers in Sanitary Epidemiological Stations", by Sanitary Physicians Assistant B.P. Kasprovskiy, Fel'dsher i Akusherka, No 4, April 1957, p 63.

In a letter to the editor, the author says that, in Khmel'nitskaya Oblast, sanitary fel'dshers are over burdened with sanitary and epidemiological work. Practically speaking, they are the immediate assistants to sanitary physicians and physicians-epidemiologists, and their duties are usually performed by intermediate medical personnel.

According to the author, such personnel have difficulties in solving sanitary and epidemiological problems, because of the lack of both textbooks and expedient courses. He suggests that special sanitary and epidemiological courses should be organized on the basis of medical schools to fit the intermediate medical personnel and to heighten their qualifications.

Card 1/1

- 45 -

KASPROWICZ, B.

KASPROWICZ, B. Jerzy Raminger's Rzeczoznawstwo i kontrola ladunkow w transporcie morskim (Expertness and Control of the Loading of a Ship's Cargo): a book review. p. 333. Vol. 6. no. 12, Dec. 1956. TECHNIKA I GOSPODARKA MORSKA. Gdansk Poland

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957



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Technology and economics against transportation economics. Tech gosp  
morska 11 no.4:100-103 '61.

~~ZASPROWICZ~~, Boleslaw, prof. dr

Twenty years of the College of Economics in Sopot. Tech gosp  
morska 13 no.5:133-135 My '63.

1. Rektor Wyzszej Szkoły Ekonomicznej, Sopot.

KASPROWICZ, Janusz

Ways of collaboration. Przegl techn 85 no.15:4 12 Ap'64.

1. Przewodniczący Zarządu Głównego Zjednoczenia Zawodowego  
Metalowców.

KASPROWICZ, Wlodzimierz

Some observations on the work of a clinical psychologist.  
Neurol. neurochir. psychiat. pol. 13 no.4:547-550 '63.

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w Lublinie Ordynator: doc. dr J. Krasowska.  
(PSYCHOLOGY, CLINICAL)

CWYNAR, St.; SIEDNIECKA, J.; KRASOWSKA, J.; KOWALCZUK, Wl.; CHLOPICKI, K.;  
WOJAKOWSKI, A.; MATIAS, K.; ROSPOND, J.; KASPROWICZ, Wl.

Blood clotting time as a directional index of the dynamics of nervous  
processes in various forms of schizophrenia, epilepsy & mental deficiency.  
Neur. &c. polska 7 no.6:877-893 Nov-Dec 57.

1. Zespól Kliniki Psychiatrycznej Sl. A. M. w Lublincu. Kierownik:  
prof. dr St. Cwynar. Klinika Psychiatryczna Slaskiej Akademii Medycznej,  
Lubliniec u. Grunwaldzka 48.

(SCHIZOPHRENIA, blood in

clotting time, diag. value of determ. (Pol))

(EPILEPSY, blood in

same)

(MENTAL DEFICIENCY, blood in

same)

(BLOOD COAGULATION, determ.

clotting time in schizophrenia, epilepsy & ment. defic.,  
diag. value (Pol))

FRYSZMAN, Andrzej; KASPROWICZ, Z.; NESTERUK, Konr anty

Low-heating-power cathodes for oscilloscope and  
kinescope tubes and vidicons. Przegl elektroniki  
3 no.11:665-666 N '62.

1. Przemyslowy Instytut Elektroniki, Warszawa.

dynamic pressure, liquid flow, gas flow

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721030006-2

...SUSPENDING INSULATION, in a vertical pipe in a suspended state.

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721030006-2"



KASPRYZ, S.

AGRICULTURE

Periodicals: LAS POLSKI. Vol. 31, No. 23, December 1957

KASPRYZ, S. It is worthwhile to visit the Arboretum of Kornik. P. 10.

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February 1959, Unclass.

KASPRZAK, A., mgr inz.

Radar in Polish harbors. Tech gosp morska 10 no.11:347-350 N '60.  
(EEAI 10:3)

1. Zarzad Portu Gdansk  
(Poland--Harbors) (Poland--Radar)

KASPRZAK, Boguslaw, inz.

Inobservance of the rules of operation causes many accidents.  
Energetyka Pol 14 no.9:294 S '60. (EEAI 10:1)

1. Zaklady Energetyczne Okregu Zachodniego.  
(Electrical engineering)

KASPRZAK, E.; SERAFINOWICZ, H.

Tuberculosis in calfs. Med.wet. 6 no.1:9-12 Ja '50. (GLML 19:2)

1. Of the Institute of Microbiology and Epizootology, Veterinary Department, University imeni Marie-Curie-Sklodowska in Lublin (Head --- Prof. Josef Parnas, M.D.).

KASPRZAK, E;PIENIAZEK, J;SERAFINOWICZ, H.

Tularemia; an occupational zoonotic disease. Med. vet.  
6 no.6:345-349 June 1950. (CJML 20:1)

1. Of the Institute of Epidemiology of the Veterinary  
Department of the University imienia Marie Curie-Sklodowska  
in Lublin and of the Research Center for Zoonotic Diseases in  
Lublin (Head--Prof. Josef Parnas, M. D.).

KASPRZAK, Janina; KNAPIK, Zbigniew; PACZYNSKI, Andrzej

Correlation between the appearance of atherosclerosis of the coronary vessels and arteries of the extremities. Polskie arch. med.wewn. 30 no.7:889-891 '60.

1. Z Oddziału Wewnętrzznego A Szpitala Wojewódzkiego we Wrocławiu  
Oddział S.D.L. Kierownik: prof. dr med. J.Kaniak  
(ARTERIOSCLEROSIS statist)  
(CORONARY DISEASE statist)

KASPRZAK, L.

KACIEMICZ, U.  
Surname (in caps); Given Name

Country: Poland

Academic Degree: [not given]

Laboratory of Pharmacodynamics, School of Medicine (Pracownia Farmako-  
dynamiki Akademii Medycznej Poznań), Poznań and Department of Animal  
Physiology, Adam Mickiewicz University, (Zakład Fizjologii Zwierząt Uniwersytetu

Adama Mickiewicza Poznań), Poznań

Source: Warsaw, Przegląd Lekarski, No 5, 1961, pp 197-198.

Date: "Activity of Respiratory Enzymes of the Succinic Oxidase Series in  
Experimental Iron Deficiency Anaemia." (Abstract)

Co-authors:

KASPRZAK, L.

OSUCHOWICZ, L.

MICHEJDA, Jan, doc. dr; KASPRZAK, Leokadia, M.Sc.; OBUCHOWICZ,  
Ludwik, dr; ZERBE, Teresa, M.Sc.

Respiratory metabolism in the snail, *Helix pomatia*.  
Pt. 3. Sciences biol Biul Poznan no.4:115-134 '64.

1. Department of Animal Physiology, A. Mickiewicz University,  
Poznan.



PRUSZYNSKI, J.; GEBICKI, L.; TKACZEWSKI, W.; KASPRZAK, M.; BARCIKOWSKI, S.

Starr-Edwards prothesis for mitral incompetence. I. Clinical evaluation. Kardiol. Pol. 8 no.1:9-13 '65

1. Z II Kliniki Chirurgicznej (Kierownik: prof. dr. J. Pruszyński)  
i z III Kliniki Chorob Wewnętrznych Wojskowej Akademii Medycznej  
w Łodzi (Kierownik: prof. dr. A. Himmel).

PRUSZYNSKI, J.; PASPRZAK, M.; BARGIKOWSKI, S.; WLALZINSKI, J.; BENKIEWICZ, M.;  
BORFONSKA, M.; GEBICKI, I.; TRACZEWSKI, W.

Starr-Edwards prothesis for mitral incompetence. II. The surgical  
technic. Kardiol. Pol. 8 no.1:15-17 '65

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2. z III Kliniki Chorob Wewnętrznych Wojskowej Akademii Medyc.  
w Łodzi (Kierownik: prof. dr. A. Himmel).

KASPRZAK, Miroslaw.

Importance of arteriography in diagnosis of peripheral vascular diseases. Polski przezl.chir. 27 no.9:845-847 Sept '55.

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(VASCULAR DISEASES, PERIPHERAL, diagnosis  
arteriography)

(ANGIOGRAPHY

arteriography in diag. of peripheral vasc.dis.)

**KASPRZAK, Mirosław**

Thrombectomy in a case of femoral arteriosclerosis obliterans.  
Wiadomosci lek. 7 no.5:265-268 Apr. 54.

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Z Przychodni Chorob Naczyn Obwodowych, Ambulatorium P.S.K. w Łodzi.  
Kierownik: prof. dr med. W.Tomaszewicz.

(ARTERIOSCLEROSIS,  
obliterans of femoral artery, thrombectomy)  
(ARTERIES, FEMORAL, diseases,  
arteriosclerosis obliterans, thrombectomy)

KASPRZAK, M.

The prosthetic mitral valve. Kardiologia Polska. 8 no.1:5-7 '65

1. Z II Kliniki Chirurgicznej Akademii Medycznej w Łodzi  
(Kierownik: prof. dr. J. Pruszyński).

KASPRZYK, Stefan, mgr., inż.; BARTOSZEWICZ, Janusz, mgr., inż.; FICKI,  
Aleksander, mgr., inż.

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Application of J. Neumann's model in the analysis of economic growth.  
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Evaluation of this year's harvest by the grain inspection.

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CIESLAR, Boguslaw, mgr., inż., adiunkt; KASPRAZAK, Wacław, mgr., inż.,  
starszy asystent

Measurement of tensions with small basis tensometers. Mechanika  
Wrocław 6 no.43:109-127 '61.

1. Katedra Mechaniki Technicznej Politechniki Wrocławskiej.

KASPRZAK, Wacław, dr inż.

Problem of strength formation of construction elements with a notch.  
Przegl mech 22 no.1:7-8 10 Ja '63.

1. Politechnika, Wrocław.

KASPRZAK, Witold; PANLOWSKI, Zbigniew

Laboratory detection of intestinal parasites in man. Wiadomosci lek.

8 no.1:20-25 Jan 55

(HELMINTH INFECTIONS, diagnosis,  
laboratory)

KASPRZAK, Witold (Poznan)

Preliminary investigations on *Entamoeba histolytica* in the Poznan region. *Wiadomosci parazyt.*, Warsz. 2 no. 5 Suppl:35-36 1956.

1. Katedra Biologii Ogolnej AM.

(AMOEBA,

types isolated in Poland (Pol))

KASPRZAK, WITOLD

GERWEL, Czeslaw; KASPRZAK, Witold; PAWLOSKI, Zbigniew

Survey of invasions of the alimentary tract in the rural population of the Poznan district. Wiadomosci parazyt., Warsz. 3 no.1:3-10 1957.

1. Z Katedry Biologii Ogolnej Akademii Medycznej w Poznaniu.  
(PARASITIC DISEASES, epidemiol.  
intestinal, in Poland (Pol))  
(INTESTINES, dis.  
parasitic, epidemiol. in Poland (Pol))

GERWEL, Czeslaw; KARLEWICZOWA, Romana; KASPRZAK, Witold;  
RYDZEWSKI, Aleksander

Parasitic fauna of the alimentary tract in the rural population  
of the Mazury lake district. Wiadomosci parazyt., Warsz. 3 no.1:  
11-17 1957.

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(PARASITIC DISEASES, epidemiol.  
intestinal, in Poland (Pol))  
(INTESTINES, dis.  
parasitic, epidemiol. in Poland (Pol))

KASPRZAK, Witold; KARLEWICZOWA, Romana

Intestinal Protozoa in children and adolescents in child home in Poznan.  
Wiadomosci parazyt., Warsz. 4 no.5-6:501-502; Engl. transl. 502 1958.

1. Z Zakladu Biologii Ogolnej Akademii Medycznej w Poznaniu.  
(~~INTESTINES~~, microbiology,  
Protozoa in child. & adolescents (Pol))  
(PROTOZOA,  
intestinal in child. & adolescents (Pol))

KASPRZAK, Witold

Biological characteristics of the strains of *Entamoeba histolytica* from the carriers in Poznan Palatinate. Acta parasit Pol 9 no.10/21: 211-230 '61.

1. Department of General Biology, Medical Academy of Poznan. Head: Gerwel, Czeslaw, prof., dr.



KASPRZAK, Witold; KARLEWICZOWA, Romana

Laboratory diagnosis of protozoa of the alimentary tract. Wied.  
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The intestinal protozoa of children and adolescents of Poznan.  
II. Ibid.:423-425.

1. Katedra Biologii i Parazytologii Lekarskiej Akademii Medycznej,  
Poznan.

KASPRZAK, Witold

The behavior of in vitro cultures of intestinal protozoa. Wlad.  
parazyt. 10 no.4:425-427 '64

1. Katedra Biologii i Parazytologii Lekarskiej Akademii Medycy-  
nej, Poznan.

KASPRZAK, Witold

Diagnosis of Protozoa in the alimentary tract. Wlad. parazyt.  
11 no.1:116-120 '65.

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Medycznej, Poznan.

KUSTRZYCKI, Anatol; KASPRZAKOWA, Janina; RZUCIDLO, Zbigniew

Persistent common atrioventricular canal in a 21 year-old woman, Polski tygod. lek. 13 no.9:311-314 3 Mar 58.

1. (Z II Kliniki Chirurgicznej A.M. we Wrocławiu, kier. prof. dr med. W. Bross, z Zakładu Interny I.D. i S.K.L. Oddział we Wrocławiu na bazie Szpitala Wojewódzkiego; kier. doc. dr med. J. Kaniak i Zakładu Anatomii Patologicznej A.M. we Wrocławiu; kier. prof. dr med. Z. Albert) Wrocław 12, ul. Olszewskiego 94/6.

(CARDIAC SEPTUM, abnorm.

persistent common atrioventricular canal in woman (Pol))

KANIAK, Jozef; KASPRZAKOWA, Janina; KNAPIK, Zbigniew; PACZYNSKI, Andrzej.

Remote results of insulin therapy of peripheral vascular diseases.  
Polskie arch. med. wewn. 28 no.5:783-786 1958.

1. Z Zakladu Interny Instytutu Doskonalenia i Specjalizacji Kadr  
Lekarskich we Wroclawiu na bazie Szpitala Wojewodzkiego im. J. Babinskiego  
we Wroclawiu Kierownik: prof. dr med. J. Kaniak. Adres autora:  
Wroclaw, 9 ul. Szymanowskiego 1.

(VASCULAR DISEASES, PERIPHERAL, ther.

insulin, remote results (Pol))

(INSULIN, ther use

peripheral vasc. dis., remote results (Pol))

KANIAK, Jozef; KASPRZAKOWA, Janina; KNAPIK, Zbigniew

Treatment of peripheral vascular diseases with drugs acting on the nervous system. Polskie arch.med. wewn. 28 no.5:800-803 1958.

1. Z Zakladu Interny Instytutu Doskonalenia i Specjalizacji Kadr Lekarskich we Wroclawiu na bazie Szpitala Wojewodzkiego im. J.Babinskiego  
Kierownik: prof. dr med. J. Kaniak. Adres autora: Wroclaw, ul. Szymanowskiego 1.

- (VASCULAR DISEASES, PERIPHERAL, ther.  
chlorpromazine, reserpine & tetraethylammonium (Pol))
- (CHLORPROMAZINE, ther. use  
peripheral vasc. dis., alone & with reserpine & tetraethylammonium (Pol))
- (RESERPINE, ther. use  
peripheral vasc. dis., alone & with chlorpromazine & tetraethylammonium (Pol))
- (TETRAETHYLAMMONIUM, ther. use  
peripheral vasc. dis., alone & with chlorpromazine & tetraethylammonium (Pol))
- (TETRAETHYLAMMONIUM, ther. use  
peripheral vasc. dis., alone & with chlorpromazine reserpine (Pol))

KASPRZHAK, G. M.

Feb 49

USSR/Electronics  
Servomechanisms  
Regulators

"Low-Power, Asynchronous, Short-Circuited, Regulated  
Machines," G. M. Kasprzhak, Cand Tech Sci, Moscow  
Higher Mech School imeni Bauman, 4 pp

"Elektrichestvo" No 2

Theoretical discussion of small servomotors. Dis-  
cusses methods of regulation, and regulating and  
braking characteristics. Submitted 2 Jun 48.

40/49T34

PA 153739

KASPRZHAK, G. M.

USSR/Engineering - Motors, Induction Nov 49

"Calculation of the Working Parameters of Induction Micromotors," G. M. Kasprzhak, Cand Tech Sci, Moscow Higher Tech School Imeni Bau-  
man, 3 pp

"Elektrichestvo" No 11

Method is based on using arbitrary calculated resistances whose introduction into formulas approximating the usual ones gives considerably greater accuracy in many cases. Numerical example shows necessity for greater accuracy of author's method when designing small

153739

USSR/Engineering - Motors, Induction Nov 49  
(Contd)

Induction motors, especially under braking conditions. Includes four diagrams.

153739



KASPRZHAK, G. M.

178T26

USSR/Electricity - Motors, Induction  
Wind Tunnels

Dec 50

"Asymmetrical Regulation of Induction Motors for  
Drives With a Blower Load," G. M. Kasprzhak, Cand  
Tech Sci, Z. M. Persits, Engr, Moscow

"Elektrichestvo" No 12, pp 25-32

Analyzes 2 asym regulation circuits for 2-phase in-  
duction motors with slip rings for wind-tunnel drives.  
Gives results in universal dimensionless relations  
expressing regulation and load properties of drives  
with the so-called ventilator static torque. These  
circuits were devised by authors in 1947-1948 at  
Aerodynamics Lab, Moscow State U. Submitted 6 Feb 50.  
178r26

KASPRZHAK, G.N.

USSR/Engineering - Welding, Automatic Control Jan 52

"Structural Classification and Comparative Analysis of the Systems for Automatic Regulation of Electric Arc Welding Process," G. M. Kasprzhak, V. M. Shchitova

"Iz Ak Nauk SSSR, Otdel Tekh Nauk" No 11, pp 41-66

Discusses principles of classification of methods for automatic regulation of elec power parameters in welding process and defines all structurally different classes, groups and types of simple and complex systems. Presents generalized schematic diagram which depicts all methods for automatic regulation of welding with fusible and infusible electrodes. Submitted by Acad V. P. Nikitin 19 Apr 51.

219T33

KASPRZHAK, G.M.; SHCHITOVA, V.M.

Structure classification and comparative analysis of methods of automatic regulation of the arc welding process. Trudy Sekts. po nauch. razrab. probl. elektrosv. i elektroterm. AN SSSR no.1:31 '53. (MLRA 6:9)

(Electric welding)

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basis of the method proposed by the authors, an arrangement of a  
system of control of arc welding is constructed for the general  
case. Expressions are given for the coefficients of the term, which  
determine the arrangement, with respect to the arc welding.

KASPRZHAK G. M.

Kasprzhak G. M. and Shchitova V. M., "Certain Methods of Studying Linear Systems in Structural Diagrams," Traktaty Sektsii po nauchnoy razrabotke problem elektrosvarki i elektrotermii / Treatises of the Section on Scientific Solution of Problems of Electrowelding and Electrothermy, No 1, Moscow, Academy of Sciences, USSR, 1953, Pages 57-68, 2 figures, 6 tables; bibliography, 7 items.

KASPRZHAK G. M.

Kasprzhak G. M. and Alekin L. Ye., "Structure and Analysis Technique for the Process of Auto-Regulation of the Arc in Welding," Traktaty Sektsii po nauchnoy razrabotke problem elektrosvarki i elektrotemii / Treatises of the Section on Scientific Solution of Problems of Electro-welding and Electrothermy, No 1, Moscow, USSR Academy of Sciences. 1953, Pages 68-89, 3 figures, 3 tables; bibliography, 6 items.

KASPRZHAK G. M.

Shchitova V. M. and Kasprzhak G. M., "Hook-up for Automatic Regulation of a Welding Arc with an Electro-mechanical Amplifier," Avtogennoe Delo [Autogenous Matters], 1953, No 4, Pages 10-12, 5 figures.



KASPRZHAK, G.M.

Electrical Engineering Abst.

Vol. 57 No. 675

Mar. 1954

Mechanical and Civil Engineering Technology

621.791.75 : 621.316.72

1316. Problems in the theory of self-regulation in welding with consumable electrodes. G. M. KASPRZHAK AND L. E. ALEKIN. *Elektrichestvo*, 1953, No. 5, 41-9. In Russian.

The mechanism of arc self-regulation in welding with a consumable metal electrode and with independent rate of feed of the electrode wire is described. The analysis and calculation of this kind of automatic regulation is explained. The concepts of amplification factors and time constants of the links and circuits of the system of self-regulation are introduced and expressions are found for the transmission functions of the system for supply system disturbances. Recommendations are made for improvements in the self-regulation process. The practical value of the method is shown on a practical example and experimental data illustrate its accuracy. Analysis of the regulation process shows that it is not purely astatic, but is essentially both a current and voltage regulating process. The effect of supply voltage variations on weld irregularities and of the transient processes on weld quality are investigated theoretically and compared with experimental data.

B. F. KRAUS

KASPREHAK, G.M.

Method of calculating the effect of errors in regulating upon the  
geometric dimensions of welded seams. Avtom.svar. 6 no.2:15-34 Mr-Ap '53.  
(MLRA 7:5)

1. Sektsiya elektrosvarki i elektrotermii Akademii nauk SSSR.  
(Electric welding)

KASPRZHAK, G.M.

On some shortcomings of the rules concerning the arrangement of electric apparatus for electric welding. Avtom.svar. 6 no.6:74-77 N-D '53.  
(MIRA 8:4)

1. Sektsiya elektrosvarki i elektrotermii Akademii nauk SSSR.  
(Electric welding)

1. SHCHITOVA, V.M.; KASPRZHAK, G.M.
2. USSR (600)
4. Electric Welding
7. Scheme for the automatic regulation of a welding arc with an electric amplifier,  
V.M. Shchitova, G.M. Kasprzhak, Avtog.delo 24 no. 4, 1953.
9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

KASPRZHAK G. M.

Kasprzhak G. M., "Technique of Computing the Effect of Regulation Errors on the Geometric Dimensions of Welding Seams," Avtomaticheskaya svarka [Automatic Welding], Volume XXIX, No 2, Kiev, Academy of Science, Ukrainian SSR, 1953, Pages 15-34, 10 figures; bibliography, 10 items.

SOV/112-57-9-18793

Translation from: Referativnyy zhurnal, Elektrotehnika, 1957, Nr 9,  
pp 107-108 (USSR)

AUTHOR: Kasprzhak, G. M., Maslennikov, L. V.

TITLE: Single-Phase Braking of a Wound-Rotor 3-Phase Induction Motor  
(Odnofaznoye tormozheniye trekhfaznykh asinkhronnykh elektrodvigatelay s  
faznym rotorom)

PERIODICAL: Sb. statey Vses. zauch. politekhn. in-ta, 1956, Nr 14, pp 98-114

ABSTRACT: Methods of mathematical analysis are presented for examining  
induction-motor characteristics in a single-phase braking scheme. A compari-  
son of calculated and experimental data is presented. This study was made with  
a view to its application to MT series motors.

V.S.M.

Card 1/1

KASPRZHAK, G.M. (Moskva); SLEPUSHKIN, Ye.I. (Moskva)

Determination of initial parameters and characteristic dimensions  
for designing two-phase miniature machines. Avtom. i. telem. 17  
no.7:637-647 J1 '56. (MLRA 9:10)

(Servomechanisms)

KASPRZHAK, G.M. (Moskva); SLEPUSHKIN, Ye.I. (Moskva)

Calculating the operating characteristics of two-phase servomotors  
and of tachogenerators [with English summary in insert]. Avtom. i  
telem. 17 no.9:811-827 S '56. (MLBA 9:11)  
(Servomechanisms)



KASPRZHAK, G.M.; kandidat tekhnicheskikh nauk.; NIKOLAYEV, A.V., inzhener.

Stage compensation of changes in network voltage during automatic arc welding. Vest. elektroprom. 27 no. 4:42-47 Ap '56. (MIRA 9:11)

1. Akademiya nauk SSSR.  
(Voltage regulators) (Electric welding)

KASPRZHAK, G. M. and RABINOVICH, I. Ya. (Candidates of Technical Sciences) and  
SLEPUSHKINA, Ye. I. (Engr.)

"Direct Current Power Sources with Universal Characteristics for Arc  
Welding."

paper presented at All-Union Scientific-Technical Conference on Welding in  
Shielding Gases, Leningrad, Dec 1957.

(Svarochnoye Proizvodstvo, 1958, No. 4, pp 46-47 - author Tyul'kov, M. D.)

KASPRZHAK, G.M.

SUBJECT:

USSR/Welding

AUTHORS:

Kasprzhak, G.M., Candidate of Technical Sciences, and Debrushin, M.Sh., Engineer.

TITLE:

The Problem of Switching-Off Welding Transformers during Idle Run. (K voprosu ob otklyuchenii svarochaykh transformatorov pri kholostem khode).

PERIODICAL:

"Svarechnoye Proizvodstvo", 1957, # 6, pp 24-26 (USSR)

ABSTRACT:

The authors question the expediency of systems for switching off welding transformers for the duration of idle interval during work. Though there are many such systems in existence and there are descriptions of them (3) (4), they are not widely used and they are not being produced by the electrical industry. Many technicians continue to work on the problem, the number of suggestions is growing, but no technical and economic analysis of this actually simple problem has yet been made and the question remains open.

One of the most successful transformer switch-off systems (which is shown in diagram in the article) has been developed by "TsNILEPS".

Card 1/2

135-6-10/13

TITLE:

The Problem of Switching-Off Welding Transformers during Idle Run. (K vepresu ob etklyuchenii svarechnykh transformatorov pri kholestom khede).

The authors consider as impractical the application of such special devices, since their initial cost is relatively high, nearly 12 times higher than of the static condensers- and with the electricity rates for industry of 8 kopeks/kwh, the amortization would take nearly 27 years, even if repair and operating costs were not taken into account. The use of switch-off systems with the purpose of increasing power coefficient, and safety, would be inexpedient as well.

The article contains 2 electrical diagrams and 11 bibliographic references (all of which are Russian).

ASSOCIATION: Laboratoriya elektricheskikh svarechnykh mashin AN SSSR  
(Electric Welding Machines Laboratory USSR Academy of Sciences.

PRESENTED BY:

SUBMITTED:

AVAILABLE: At the Library of Congress.

Card 2/2

KASPRZHAK, G.N., kandidat tekhnicheskikh nauk; SLEPUSHKIN, Ye.I., inzhener.

New welding generator designs and their use for welding in  
protective atmospheres. Avtom.svar. 10 no.3:97-104 Ky-Je '57.  
(NERA 10:8)

(Electric welding--Equipment and supplies)  
(Protective atmospheres)

*017SPR 4441, G-71*

ZOLOTYKH, B.N.; KASPRZHAK, G.M.; KONDRATENKO, V.N.; KRUGLOV, A.I.; RABINOVICH,  
I.Ya.; SLEPUSHKIN, Ye.I.; CHEVERIKOV, S.S.

"Using electric erosion method in machining metals" by A.L. Livshchits.  
Reviewed by B.N. Zolotykh and others. Izv. AN SSSR. Otd. tekhn. nauk no.2:163-165 F '58. (MIRA 11:3)  
(Metal cutting, Electric)  
(Livshchits, A.L.)

AUTHOR : Kasprzhak, G. M., Candidate of  
Technical Sciences

SOV/105-58-9-8/34

TITLE: Computation of Voltage Drop at the Terminals of High-Power  
Consumers With High Starting Amperages (Raschet snizheniya  
napryazheniya na zazhimakh moshchnykh tokopriyemnikov s bol'shimi  
puskovymi tokami)

PERIODICAL: Elektrichestvo, 1958, Nr 9, pp 39 - 42 (USSR)

ABSTRACT: When squirrel-cage induction motors are started or when  
the secondary winding of welding transformers are short-  
circuited, which are both fed from a relatively weak  
supply system, the error in the computation of the  
voltage drop may reach 20 - 30%, in certain cases even 100%.  
This error may be due to two causes: 1) A very small power factor  
during starting (not better than 0,15 - 0,2). Hence the  
approximation formula (1) is only of little use. 2) The  
maximum of voltage drop does not occur at a short-circuiting, but  
at operation schedules which are primarily determined by  
the phase angle. In this paper, first the variation of the  
load current I of induction motors and of welding trans-  
formers and the voltage drop in their supply lines are in-

Card 1/4

Computation of Voltage Drop at the Terminals of  
High-Power Consumers With High Starting Amperages

SOV/105-50-9-8/34

investigated at operating schedules varying from short-circuit (starting) to idling. Subsequently the conditions for the occurrence of the maximum voltage loss are determined analytically. It appears that if the work's supply system represents a purely ohmic resistance, which is a frequent case in practice, the maximum voltage loss during the starting of induction motors will be found at a slip equal to the critical slip. If a welding transformer is supplied from such a system the maximum voltage drop will not occur at an operational short-circuit but when connecting the transformer. If information bearing on the operation schedule of such consumers which leads to a maximum voltage drop is available, and if the formula for the maximum voltage drop is used, this makes possible a computation of supply systems in conformity with the stipulated power losses. No simple formula, however, can be obtained by this method. Hence the formulae (5b) and (6a) must be used and a family of universally applicable curves must be constructed. If an approximation formula is required it can be obtained by substituting the condition

Card 2/4



Computation of Voltage Drop at the Terminals of  
High-Power Consumers With High Starting Amperages

SOV/105-58-9-8/34

for the occurrence of a maximum (7) into equation (5b). Under certain conditions this formula can still be simplified, yielding formula (9). The formulae presented in this paper can be used in approximative computations. The maximum error is admissible in systems with a purely ohmic resistance. In supply systems with a purely inductive resistance this method gives no increase of accuracy. Sample problems, the computation of which is given, are attached. They validate the necessity of using this method in low-voltage works supply systems for the computation of voltage drops. There are 5 figures, 1 table, and 6 references, 6 of which are Soviet.

ASSOCIATION: TsNIL elektricheskoy obrabotki materialov AN SSSR (Central Scientific Research Laboratory of Electric Processing of Materials, AS USSR)

SUBMITTED: January 7, 1958  
Card 3/4

Computation of Voltage Drop at the Terminals of  
High-Power Consumers With High Starting Amperages

SOV/105-58-9-8/34

Card 4/4

KHALIZEV, Georgiy Petrovich; KASPRZHAK, G.M., kand. tekhn. nauk, otv.  
red.; SAGITULLINA, R.I., tekhn. red.

[Automatic control and regulation of electric drives. Avtomaticheskoe upravlenie i regulirovanie elektroprivodami. Moskva, Ugletekhizdat. Lecture 4. [Contactor-type relay control of electric drives] Releino-kontaktornoe upravlenie elektroprivodami; obshchie printsypy. 1959. 27 p. (MIRA 14:6)  
(Electric driving) (Automatic control)

KA SPRZ HAK, G.M.

28(1) PHASE I BOOK EXPLOITATION SOV/2156

Soveshchaniye po kompleksoy mekhanizatsii i avtomatizatsii tekhnologicheskikh protsessov. 2nd, 1956.

Avtomatizatsiya mashinostroitel'nykh protsessov; /truly soveshchaniya/, tom. 1; Goryachaya obrabotka metalliv i avtomatizatsiya mashinostroitel'nykh protsessov. 2nd, 1956. Conference on Machine-Building Processes; Proceedings of the Conference on Over-All Mechanization and Automation of Industrial Processes, Vol. 1: Hot Metal-Forming) Moscow, 1959. 394 p. 5,000 copies printed.

Sponsoring Agency: Vsesoyuznyy nauchnyy tsentr. Institut mashinovedeniya. Komissiya po tekhnologii mashinostroyeniya.

Resp. Ed.: V.I. Dikushin, Academician; Compiler: V.M. Raskatov; Ed. of Publishing House: V.A. Kotov; Tech. Ed.: I.F. Kuz'min.

PURPOSE: The book is intended for mechanical engineers and metallurgists.

COVERAGE: The transactions of the Second Conference on the Over-All Mechanization and Automation of Industrial Processes, September 25-29, 1956, have been published in three volumes. This book, Vol. 1, contains articles under the general title, Hot Working of Metals. The investigations described in the book were conducted by the Sections for Automation and Hot Working of Metals, P.M. Almasov, Dr. Ivanov and G.M. Orlov; casting of Metals, A.D. Tsarev, Dr. Ivanov and G.M. Orlov; forming - A.Y. Tselikov, B.I. Frolov and G.A. Maslov. There are 183 references: 142 Soviet, 34 English, 6 German, and 1 French.

TABLE OF CONTENTS:

Balkovets, D.S. and P.L. Chuloshnikov. Automatic Process Control in Contact Welding	266
Gromov, M.A. Development of Automatic Welding Equipment	276
Nikolayev, G.A. Studies at the NTU im. Bauman (Moscow Higher Technical School im. Bauman) on Automation of Welding Processes	286
Kasprzhak, G.M., I.Ya. Rabinovich, Ye. I. Slepukhin, and V.M. Shchitova. New Systems for Automating Welding Equipment	290
Verchenko, V.R. Automation of Arc Welding in a Protective Gas Medium	322
Frumin, I.I. Automatic Weld Seam of Wear-Resistant Alloys	330
Sabidin, D.M. Automatic Welding of Articles from Aluminum and Aluminum Alloys	348
Kochanovskiy, N.Ya. Work of the All-Union Scientific Research Institute of Electric Welding Equipment on Mechanization and Automation of Welding Processes	361
Iyubavskiy, E.V., L.M. Yarovinskiy, I.L. Brinberg, and I.M. Novozhilov. Mechanization and Automation of Welding Processes in Heavy Machine Building	371
Semenov, A.P. Seizing of Metals and Utilization of this Phenomenon	385
Aybinder, S.B. Cold Welding of Metals	
AVAILABLE: Library of Congress	

Card 8/8

TM/JR  
9/13/59  
(1)

SIROTIN, Artemiy Afanas'yevich; BARASHIN, A.V., prof., retsenzent;  
KHALIZEV, G.P., dotsent, retsenzent; KASPRZHAK, G.M., dotsent,  
retsenzent; BYCHKOV, V.P., dotsent, red.; VORONIN, K.P.,  
tekhn.red.

[Automatic control of electric driving equipment] Avtomaticheskoe  
upravlenie elektroprivodami. Moskva, Gos.energ.isd-vo, 1959.  
526 p.

(Electric driving)

(Automatic control)

(MIRA 12:3)

67425

~~0 (3)~~ 16.9500

AUTHORS: Kaspzhek, G. M., Candidate of  
Technical Sciences, Orkina, Ye. L., Engineer

SOV/105-59-12-12/23

TITLE: Transition Processes in D.C.-Control Circuits Fed From  
Semiconductor Triodes

PERIODICAL: Elektrichestvo, 1959, Nr 12, pp 55-61 (USSR)

ABSTRACT: The transition processes in output cascades of d.c.-amplifiers, used for feeding control circuits of industrial installations, are studied here. According to theoretical and experimental results, the nonlinearity of the output resistance of the triodes causes a peculiar course of the transition processes in inductive circuits fed by semiconductor triodes. The qualitative part of the phenomena in the transition processes in these circuits is illustrated by static characteristics (Fig 2). Still, the actual static characteristics are inconvenient for the study of the transition processes. Therefore it is more practical to use idealized characteristics. These form a rather accurate approximation, as can be seen in the comparison of the curves in figures 2a and 2b. By using these idealized, broken static triode characteristics (Fig 2b) and the parameter  $\Delta U$  of the output circuit of the triode, the

Card 1/4

Transition Processes in D.C.-Control Circuits Fed  
From Semiconductor Triodes

67425

SOV/105-59-12-12/23

transition processes can be studied in sections like linear processes. It is shown that the output equivalent circuit diagram can be transformed into a quite simple series circuit with an active resistance of  $r + R_{load}$  and inductivity  $L_{load}$ , which is then used for calculating the transition process. The transition processes in four possible cases are examined (Fig 2). In all 4 cases the nonlinear change of the self-induction-emf shows a nonexponential change of triode current, and triode voltage. The rate of current and voltage changes is not determined in the inductive circuit with the triode by the static but by the dynamical triode resistance. The rate of the current change in the transition process does not depend alone on the load- and triode resistance, but also on the feed voltage. In the initial and final section of the static characteristic the transition processes can end much faster than in linear circuits with the same time constant. A peculiar acceleration of the transition process occurs. Another important feature of the transition process in inductive circuits with triodes is the increase of the voltage at the

Card 2/4

Transition Processes in D.C.-Control Circuits Fed  
From Semiconductor Triodes

67425

SOV/105-59-12-12/23

triode at the termination of the signal. Germanium triodes which cannot support a lasting voltage increase higher than the permissible value, may break down when a d.c. circuit with inductive load is connected. To confirm the conclusions obtained with the analysis of transition processes, the oscillograms taken in the experimental investigations are likewise shown. The curves obtained by experiments with the transition processes can also be obtained by calculation. The calculation method is described in general. When using the derived formulas, one can calculate the curves for the current changes in inductive circuits with triodes if the load parameter and the static characteristics of the triode in the case of various signals are known. This is briefly described. To test the application of this method in practice the transition process in the connection of the P4-triode to the excitation circuit of a 3D-7.5/30 generator was calculated. The comparison of the curve obtained in the experiment with that obtained earlier was satisfactory. There are 8 figures and 4 Soviet references.

Card 3/4



Transition Processes in D.C.-Control Circuits Fed From  
Semiconductor Triodes

67425

SOV/105-59-12-12/23

ASSOCIATION: TsNIL elektricheskoy obrabotki materialov AN SSSR (Central  
Scientific Research Laboratory for Electric Treatment of  
Materials of the AS USSR)

SUBMITTED: March 23, 1959

Card 4/4

PHASE I BOOK EXPLOITATION

SOV/5186

Academiya nauk SSSR. Tsentral'naya nauchno-issledovatel'skaya laboratoriya elektricheskoy obrabotki materialov

Problemy elektricheskoy obrabotki materialov (Problems of the Electrical Machining of Materials) Moscow, Izdatel'stvo AN SSSR, 1960. 247 p. Extra slip inserted. 9,200 copies printed. (Series: Itz: Trudy)

Sponsoring Agency: Akademiya nauk SSSR. Resp. Ed.: B. R. Lazarev; Ed. of Publishing House: M. L. Fedevskiy; Tech. Ed.: S. P. Golub'.

PURPOSE: This collection of articles is intended for scientists and technicians concerned with the investigation of new ways of applying electrical energy.

COVERAGE: The book contains articles on studies carried out by the staff of the Tsentral'naya nauchno-issledovatel'skaya

Problems of the Electrical (Cont.)

SOV/5186

laboratoriya elektricheskoy obrabotki materialov Akademii nauk SSSR (Tsentr-ELEKTROV AN SSSR) (Central Scientific Research Laboratory for the Electrical Machining of Materials of the AS USSR) in searching for new applications of electrical energy. The results of these studies include: the dimensional machining of dielectrics and the utilization of electric pulsed discharges in carrying out certain chemical reactions; new information on processes occurring on electrodes and in the interelectrode space during short pulsed machining by electric current pulses; increases in metal yield in the analysis of the operation of power-supply sources used in the electrical machining and arc welding of metals. No personalities are mentioned. References accompany most of the articles.

Zolotykh, B. M., and A. I. Kruglov. Thermal Processes on Electrode Surfaces during Electric-Spark Machining of Metals 65

Zolotykh, B. M., and A. I. Kruglov. Methods and Results of Studies on the Channel Potentials of a Low-Voltage Pulse Discharge 77

Mogilevskiy, I. Z. (Deceased). Structural Changes in Iron and Steel After Electric-Spark Machining of Their Surfaces by Graphite 86

Mogilevskiy, I. Z. (Deceased), and Ya. L. Linetskii. Study of the Physicochemical Changes in the Surface Layers of Steels and Alloys After Electric-Spark Machining in Kerosene 93

Kanprzhak, G. M., and Ya. L. Orkin. Analysis of Excitation Dynamics of Welding Generators Supplied by Semiconductor Amplifiers

115 6

KASPRZHAK, G.M., kand.tekhn.nauk; SIDORKOV, V.B., kand.tekhn.nauk

Adjusting the voltage of rectifiers by using voltageadding trans-  
formers. Vest.elektroprom. 31 no.3:12-19 Mr '60. (MIRA 13:6)  
(Electric current rectifiers)

S/775/62/002/000/011/011

AUTHORS: Kasprzhak, G.M., Rabinovich, I. Ya., Sidorkov, V.B.

TITLE: New rectifier circuits for arc welding.

SOURCE: Avtomatizatsiya protsessov mashinostroyeniya. t. 2: Goryachaya obrabotka metallov. Moscow, Izd-vo. AN SSSR, 1962, 246-265.

TEXT: The paper surveys various types of rectifier circuits for manual and automatic welding (WG) with reference to the anticipated general adoption of semiconductor-type rectifiers. Analysis of typical WG-rectifier circuits: The external V-I characteristics of rectifiers used for manual arc WG with coated electrode, automatic flux welding, and gas-shielded automatic and semiautomatic WG are briefly described, and the effects of the open-circuit V and the V-I slope on arc ignition and process control are discussed, including the transient problems occurring in self-regulating systems, especially with flat or rising characteristics. Fundamental principles of rectifier-circuitry selection and development: The TsNILELEKTROM of the State Committee of the Council of Ministers, USSR, for Automation and Machine Building has established the following fundamental principles for the development of new WG-rectifier circuits: (1) They must be applicable universally for the above-mentioned types of WG; (2) to minimize the power installed

Card 1/3

New Rectifier circuits for arc welding.

S/775/62/002/000/011/011

and the number of semiconductor (SC) valves, the external V-I characteristic must be gently descending, and an elevated open-circuit voltage (60-70 v) is to be provided by special arc-ignition devices; power fractioning is to be accomplished by booster-transformers, with a suitable stabilizing choke in the rectified-current line. One of the resulting WG rectifiers is shown in a full-page circuit diagram and is described in detail. Details of the booster-transformer circuitry, intended for symmetrical voltage regulation, are shown pictorially. The arrangement affords 20 steps of voltage regulation (2 figures), with a saving of 30-50% of active materials, an 8-12% increase in efficiency, and a power factor of 0.8-0.85, as compared with circuits in which saturation chokes in the a.c. circuit are used. Details of the arc-ignition transformer-rectifier complex are explained. Oscillograms are shown to illustrate the improvement in current control achieved. It is shown how the circuitry employed improves the response to sudden changes in arc length. Universal BCK- (VSK-) type WG rectifiers: The criteria developed in the foregoing chapter were translated at the TsNILELEKTROM into the VSK-type 150-a, 300-a, and 500-a universal rectifiers. A design analysis is provided, with especial emphasis on the features specified in the criterial chapter. The characteristics of the three rectifiers are tabulated. An experimental prototype of the VSK-150-III rectifier was built in 1958 and subjected to tests which showed (2 full-page graphs) that: (1) The external characteristic remains absolutely hard (flat), since the total equivalent resistance of the

Card 2/3

New Rectifier circuits for arc welding.

S/775/62/002/000/011/011

rectifier remains practically unvaried; (2) a slight increase in  $a/v$  slope occurs in the circuit with two parallel valve blocks, which is attributed to a nonlinearity of the internal resistance of the valves; (3) the efficiency with two valve blocks rises from 67 to 72% in the nominal regime (150 a, 23 v) and with practically unchanged power factor (0.82); (4) the test data confirm the design assumptions. Test data are summarized in a table. Oscillograms illustrate the process. The experimental prototype was followed by experimental batches of VSK-150 and VSK-300 issued by the TsNILELEKTROM; since 1961 VSK-300 rectifiers have been mass-produced by the Dnepropetrovsk plant of mining-automation equipment. Conclusions are stated on the particular features of the VSK-type rectifier which afford it excellent arc-ignition, applicability in a wide range of welding jobs, stability of operation, and conservation of active materials and power. There are 11 figures, 2 tables, and 5 Russian-language Soviet references. ✓

ASSOCIATION: None given.

Card 3/3

KASPRZHAK, G.M.

Operating conditions and static characteristics of welding rectifiers.  
Avtom.svar. 18 no.1:16-22 Ja '65. (MIRA 18:3)

1. Vsesoyuznyy zaochnyy politekhnicheskiy institut.

KASPRZHAK, G.M.

Selecting the basic elements of welding rectifiers by their  
preheating conditions. Avtom. svar. 18 no.8:37-43 Ag '65.  
(MIRA 18:11)

1. Vsesoyuznyy zaochnyy politekhnicheskiy institut.  
Submitted December 17, 1964.



ADAMCZAK, Teobald; KASPRZYCKA, Irena; MACIEJCZYK, Stanislaw; SADOWSKI, Jan;  
ZAREBA, Janusz

Effects of experimental application of silicic acid in animals.  
Polski tygod. lek. 15 no. 18:659-664 2 My '60.

1. Z II Kliniki Chirurgicznej A.M. w Warszawie; kierownik: prof.  
dr. med. Jan Mossakowski i z Zakładu Anatomii Patologicznej Szpitala  
Miejskiego nr 4 w Warszawie; kierownik: prof. dr. med. Janina  
Dabrowska.

(SILICA toxicol.)

ADAMCZAK, Teobald; KASPRZYCKA, Irena; MACIEJCZYK, Stanislaw; SADOWSKI, Jan

Clinical studies on the use of silicones in surgery. Polski tygod.  
lek. 16 no.28:1061-1065 10 JI '61.

1. Z II Kliniki Chirurgicznej A.M. w Warszawie; kierownik Kliniki:  
prof. dr med. Jan Mossakowski.

(SILICONES ther)

KASPRZYCKI, Andrzej (Plock); KLOSOWSKI, Zygmunt (Plock)

Work organization on the construction grounds of the Combine in  
Plock. Przegl budowl i bud mieszk 34 no.4/5:250-255 Ap-My  
'62.

S/081/62/000/024/053/073  
B166/B186

AUTHORS: Błasiński, Henryk, Kasprzycki, Józef, Serwiński, Mieczysław

TITLE: Power consumption and mixing efficiency for radial turbine stirrers

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 24, 1962, 489, abstract 24175 (Zesz. nauk. Politechn. 16dzk., no. 42, 1961, 81 - 102 [Pol.; summary in Eng.])

TEXT: Power consumption on agitating wine and must with turbine stirrers having 6 radial blades was determined experimentally with vat diameters of D of 300, 400 and 500 mm. In some tests the vats were partitioned. The height of the layer of liquid in the vats was equal to D in all the tests. The turbine diameter was  $d = D/3.25$ . The distance between the turbine and the vat bottom was  $y = d$ .  $Re_S$  varied between 2410 and 150,800. Fluid viscosity  $\mu$  (a certain amount of sugar being added) was 1.77 - 5.61 cp, and stirrer speed  $n$  was 95 - 504 r.p.m. It was found that for vats without partitions  $Lm = 9.22 Re_S^{-0.206}$  (where  $Lm = N/d^5 n^3 \rho$ ,  $N$  is the power expended on agitation,  $\rho$  is the fluid density,  $Re_S = d^2 n \rho / \mu$ ) is valid in the range Card 1/2

Power consumption and ...

S/081/62/000/024/053/073  
B166/B186

$2.0 \cdot 10^3 \leq Re_S \leq 1.2 \cdot 10^5$ ; for vats with partitions  $Lm = 5.6$ . The mixing efficiency is stated to have been determined from the rate at which lumps of sugar dissolved in the wine and must. Mixing efficiency was proved to be higher in a vat without partitions than in a vat with partitions; moreover, in the first case the power consumption on mixing diminishes with increase in  $Re_S$ , whilst in the second case it first of all rises slightly and then reaches an almost constant value at  $Re_S = 10^4$ . [Abstracter's note: Complete translation.]

✓

Card 2/2

BIELAWIEC, Michal; KASPRZYCKI, Konrad

A case of metastatic seminoma of the heart with circulatory insufficiency. Polski tygod. lek. 16 no.6:220-221 6 F '61.

1. Z I Kliniki Choroż Wewnetrznych A.M. w Białymstoku; kierownik: doc. dr med. W. Zankiewicz i z Zakładu Anatomii Patologicznej A.M. w Białymstoku; kierownik: doc. dr med. L. Komosynski.

(DISGERMINOMA case reports) (HEART neopl)

POPCW, Jerzy; KASPRZYCKI, Konrad

Contribution to the problem of carcinosarcoma. Pol. tyg. lek. 19  
no.15:560-562 6 Ap '64.

1. Z Zakładu Anatomii Patologicznej Akademii Medycznej w Białymstoku  
(kierownik: prof. dr. med. L. Komeczynski).

KASPRZYCKI, Wladyslaw, mgr inz.

Experiments in the application of thermal storage  
heating of dwellings in Poland. Energetyka Pol 17  
no.3:Suppl.: Energopomiar 9 no.2:88-90 Mr '63.

1. Instytut Energetyki, Warszawa.



AMBROZ, Hanna; KASPRZYK, Elzbieta; CZYZENICZ, Jerzy

Application of rubber soles to shoes with leather uppers.  
Polimery tworzą wielk 7 no.5:177-181 My '62

1. Tomaszowskie Zakłady Tworzyw Sztucznych, Tomaszów.

CHOMISZCZAK, Stefan; KASPRZYK, Elzbieta; CZYZEWICZ, Jerzy

Transparent vulcanizers and cellular rubbers from butyl. Polimery  
tworz wielk 7 no.10:376-378 0 '62.

1. Instytut Przemyslu Gumowego, Warszawa.

POLAND

KASPRZYK, Henryk, POPOW, Jerzy, and JODCZYK, Kazimierz,  
Department of Pathological Anatomy (Zaklad Anatomii Patolo-  
gicznej), AM [Akademia Medyczna, Medical Academy] in  
Bialystok (Director: Prof. Dr. med. L. KOMCZYNSKI)

"Pneumatosis cystoides intestini. Report of Seven Cases."

Warsaw, Polski Tygodnik Lekarski, Vol 17, No 48, 26 Nov 62,  
pp 1878-1880.

Abstract: [Authors' English summary] Seven cases of in-  
testinal pneumatosis are reported. Recent views concerning  
the etiology and pathogenesis of this disease are discussed.  
Of the nine references, two are English, the others Polish.

KASPRZYK, Jozef

Notes on localizing the leaf wood sawmills. Przem drzewny 13 no.4:5-6  
Ap '62.